

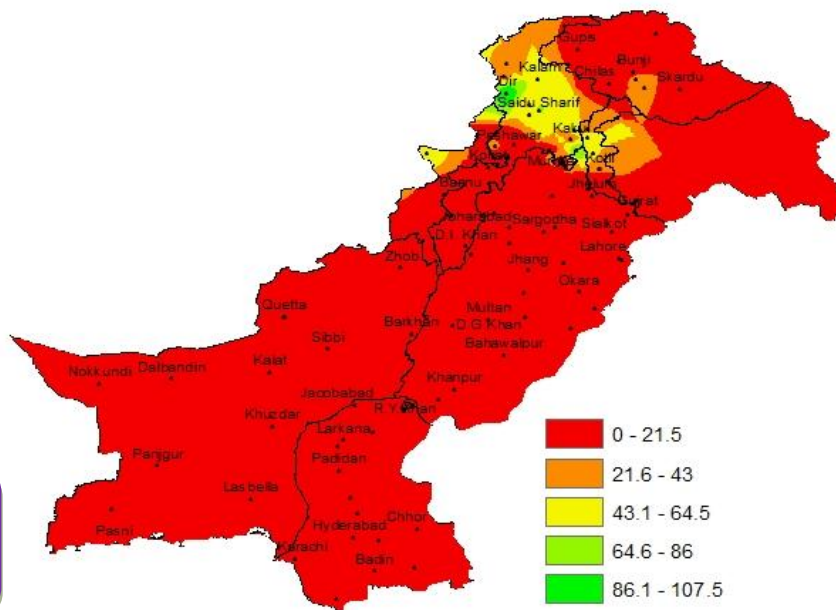
Weekly Weather and Crop Bulletin for Pakistan

**NATIONAL AGROMET
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**Rainfall Distribution (mm) during the
Previous Week (From 2nd to 8th Nov, 2015)**



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Highlights of Past Weather (From 2nd to 8th Nov, 2015)

Normal day time temperature was reported from most parts of the country during the week.

Province wise distribution of rainfall reported as follows:

- Light to moderate rainfall reported at many places in Khyber Pakhtunkhwa, Punjab and Gilgit-Baltistan & Kashmir regions.
- Light rainfall reported at few places in Balochistan.
- Dry weather was reported in Sindh.

Past Weather of Provinces (From 2nd to 8th Nov, 2015)

Punjab

Light to moderate rainfall reported at many places in Punjab during the week. Weekly maximum and minimum temperatures recorded 26.6°C & 13.7°C respectively. For the present season average 104.3 growing degree days accumulated by the end of last week. Average relative humidity recorded 69% and wind speed in the morning/evening 2.4/2.9 Knots. During the previous week the highest amount of rainfall was recorded 88.4 mm at Murree & lowest minimum temperature was recorded 3.0°C at Murree.

Sindh

Dry weather was reported in Sindh during the week. Weekly maximum and minimum temperatures recorded 32.1°C & 17.2°C respectively. For the present season average 138.4 growing degree days accumulated by the end of last week. Average relative humidity recorded 57% and wind speed in the morning/evening recorded 0.6/0.6 Knots. During the previous week the lowest minimum temperature was recorded 10.0°C at Mithi.

Gilgit-Baltistan and Azad Jammu & Kashmir

Light to moderate rainfall reported at many places in Gilgit-Baltistan & Kashmir regions during the week. Weekly maximum and minimum temperatures recorded 16.0°C & 6.0°C respectively. For the present season average 40.5 growing degree days accumulated by the end of last week. Average relative humidity recorded 67% and wind speed in the morning/evening recorded 5.9/6.5 knot. During the previous week the highest amount of rainfall was recorded 57.6 mm at Garhi Dopatta & lowest minimum temperature was recorded -3.8°C at Skardu.

Balochistan

Light rainfall reported at few places in Balochistan during the week. Weekly maximum and minimum temperatures recorded 26.8°C & 11.1°C respectively. For the present season average 95.6 growing degree days accumulated by the end of last week. Average relative humidity recorded 43% and wind speed in the morning/evening recorded 0.8/0.9 Knots. During the previous week the highest amount of rainfall was recorded 9.0mm at Quetta & lowest minimum temperature was recorded -4.0°C at Kalat.

Khyber Pakhtunkhwa

Light to moderate rainfall reported at many places in Khyber Pakhtunkhwa during the week. Weekly maximum and minimum temperatures recorded 19.6°C & 8.2°C respectively. For the present season average 58.2 growing degree days accumulated by the end of last week. Average relative humidity recorded 70% and wind speed in the morning/evening recorded 4.4/5.0 Knots. During the previous week the highest amount of rainfall was recorded 108.0 mm at Dir lowest minimum temperature was recorded -1.5°C at Kalam.

**Past Weather for Major Agricultural Plains
(From 2nd to 8th Nov, 2015)****Rawalpindi (Potohar region)**

Rainfall reported as 9.0mm during the week, however cloudiness in the morning/evening recorded 3.6/6.0 Oktas while, average relative humidity observed as 76%. Mean night time temperature recorded 12.8°C & for the present season 91.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.5/0.2 Knots.

Faisalabad (Central Punjab)

Rainfall reported as “Trace”(Rain occurred but not measurable) during the week; however cloudiness in the morning/evening recorded 4.3/3.3Oktas while, average relative humidity observed as 67%. Mean night time temperature recorded 14.2°C & for the present season 111.6 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.5/0.5 Knots.

Quetta (Northern Balochistan)

Rainfall reported as 5.0mm during the week; however cloudiness in the morning/evening recorded 2.1/3.3 Oktas while, average relative humidity observed as 35%. Mean night time temperature recorded 6.6°C & for the present season 54.2 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.5/3.3 Knots.

Usta Muhammad (Eastern Balochistan)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.0/0.0Oktas while, average relative humidity observed as 50%. Mean night time temperature recorded 14.3°C & for the present season 125.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.1/0.0 Knots.

Tandojam (Lower Sindh)

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.0/0.0 Oktas while, average relative humidity observed as 58%. Mean night time temperature recorded 16.0°C & for the present season 134.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening 0.3/0.5 Knots.

**Past Weather for Sub-Regional Agricultural
Plains (From 2nd to 8th Nov, 2015)****Multan**

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 3.0/0.8Oktas while, average relative humidity observed as 60%. Mean night time temperature recorded 15.8°C & for the present season 121.7 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.7/2.3 Knots.

Rohri

Dry weather was reported during the week; however cloudiness in the morning/evening recorded 0.0/1.0Oktas while, average relative humidity observed as 60%. Wind speed recorded in the morning/evening as 2.0/1.0 Knots.

Lahore

Rainfall reported as 0.1mm during the week; however cloudiness in the morning/evening recorded 3.3/3.5 Oktas while, average relative humidity observed as 64%. Mean night time temperature recorded 15.5°C & for the present season 112.2 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.3/3.0 Knots.

Zhob

Rainfall reported as 6.0mm during the week; however cloudiness in the morning/evening recorded 6.0/0.9 Oktas while, average relative humidity observed as 44%. Mean night time temperature recorded 8.1°C & for the present season 65.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 4.9/7.0 Knots.

D.I. Khan

Rainfall reported as 1.1mm during the week; however cloudiness in the morning/evening recorded 3.0/1.2 Oktas while, average relative humidity observed as 68%. Mean night time temperature recorded 12.9°C & for the present season 105.6 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/0.7 Knots.

Peshawar

Rainfall reported as 23.7mm during the week; however cloudiness in the morning/evening recorded 3.4/4.7 Oktas while, average relative humidity observed as 77%. Mean night time temperature recorded 12.4°C & for the present season 100.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening 0.6/1.0Knots.

Murree

Rainfall reported as 88.4 mm during the week; however cloudiness in the morning/evening recorded 4.1/6.3Oktas while, average relative humidity observed as 70%. Mean night time temperature recorded 6.5°C & for the present season 34.4 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 1.7/1.3Knots.

Kalam

Rainfall reported as 58.0mm during the week; however cloudiness in the morning/evening recorded 5.9/6.8 Oktas while, average relative humidity observed as 78%. Mean night time temperature recorded 1.0°C & for the present season 7.9 growing degree days accumulated by

the end of last week. Wind speed recorded in the morning/evening as 0.0/0.3 Knots.

Gilgit

Rainfall reported as 2.3mm during the week; however cloudiness in the morning/evening recorded 7.3/7.7 Oktas while, average relative humidity observed as 66%. Mean night time temperature recorded 5.5°C & for the present season 42.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/1.7 Knots.

Skardu

Rainfall reported as 1.5mm during the week; however cloudiness in the morning/evening recorded 6.1/7.3 Oktas while, average relative humidity observed as 56%. Mean night time temperature recorded 2.8°C & for the present season 20.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.0/1.0 Knots.

Crop Situation for Major Agricultural Plains
(Based on Data from Regional Agromet Centers)

Potohar Region (Rawalpindi)

There is presently no crop grown in the fields of RAMC Rawalpindi.

Central Punjab (Faisalabad)

There is presently no crop grown in the fields of RAMC Faisalabad.

Lower Sindh (Tandojam)

There is presently no crop grown in the fields of RAMC Tandojam.

Northern Balochistan (Quetta)

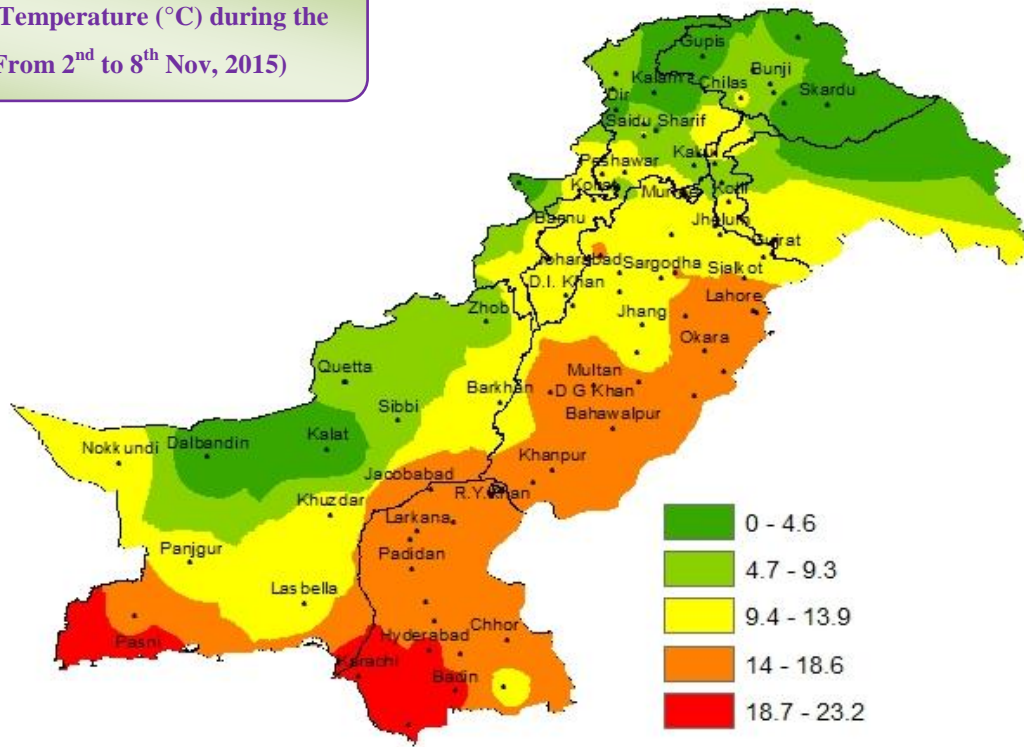
There is presently no crop grown in the fields of RAMC Quetta.

Eastern Balochistan (Usta Muhammad)

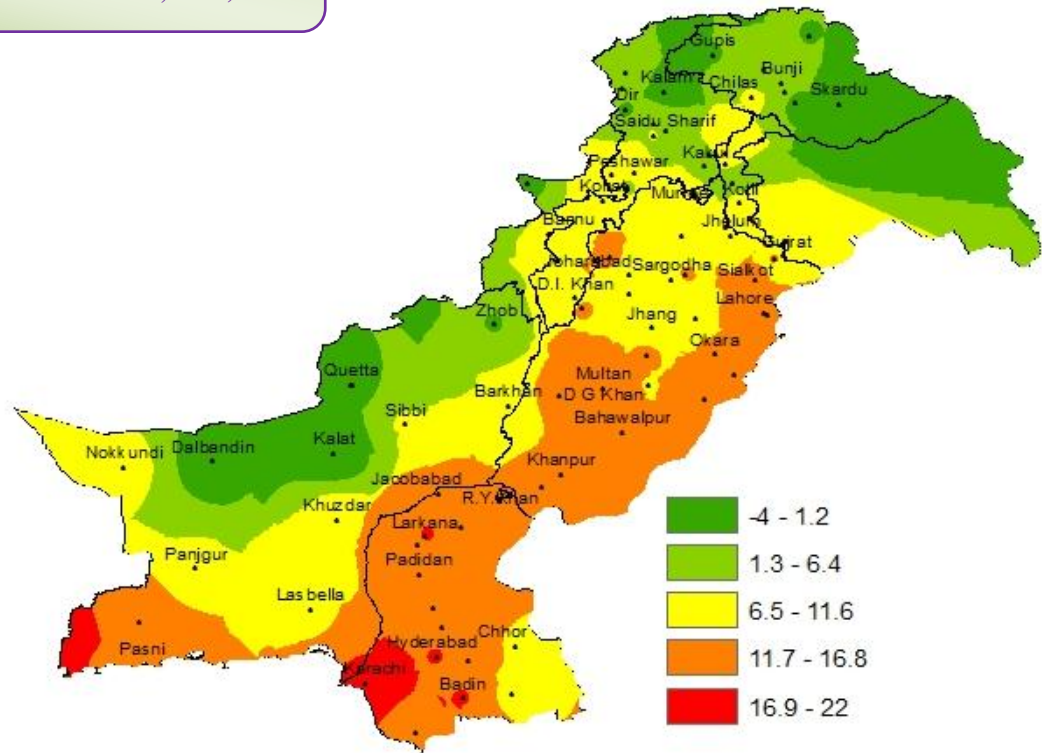
There is presently one crop (irrigated condition) grown in the fields of RAMC Usta Muhammad.

Rice: Good condition at *Full Maturity* stage.

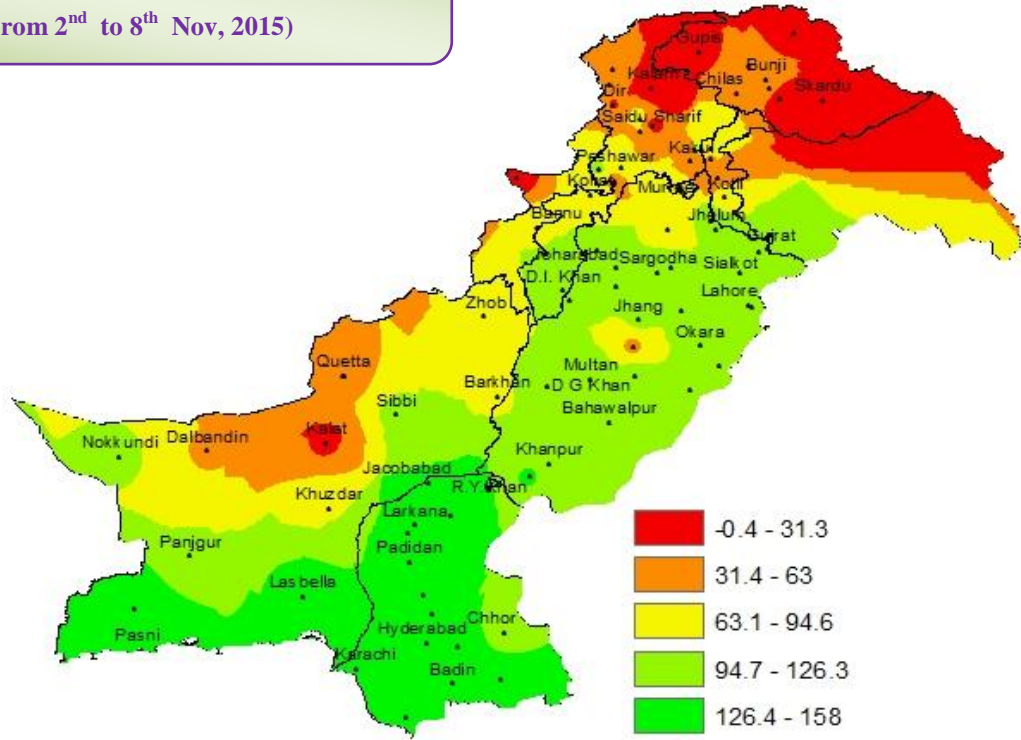
Mean Minimum Temperature (°C) during the Previous Week (From 2nd to 8th Nov, 2015)



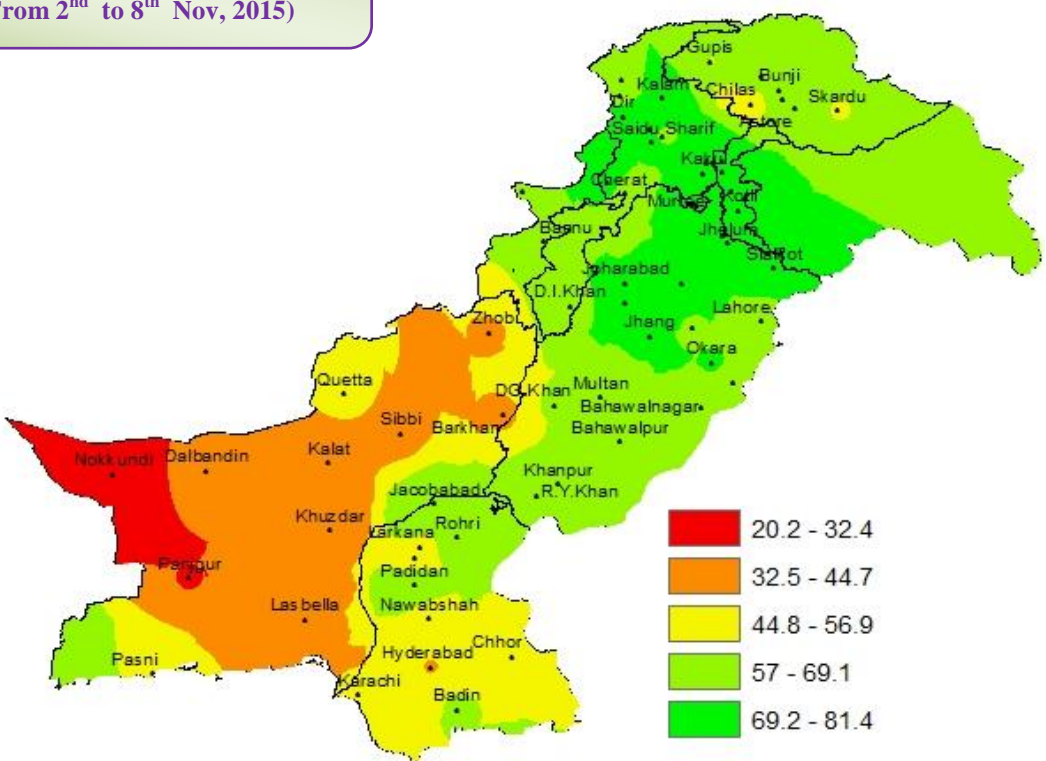
Lowest Minimum Temperature (°C) during the Previous Week (From 2nd to 8th Nov, 2015)



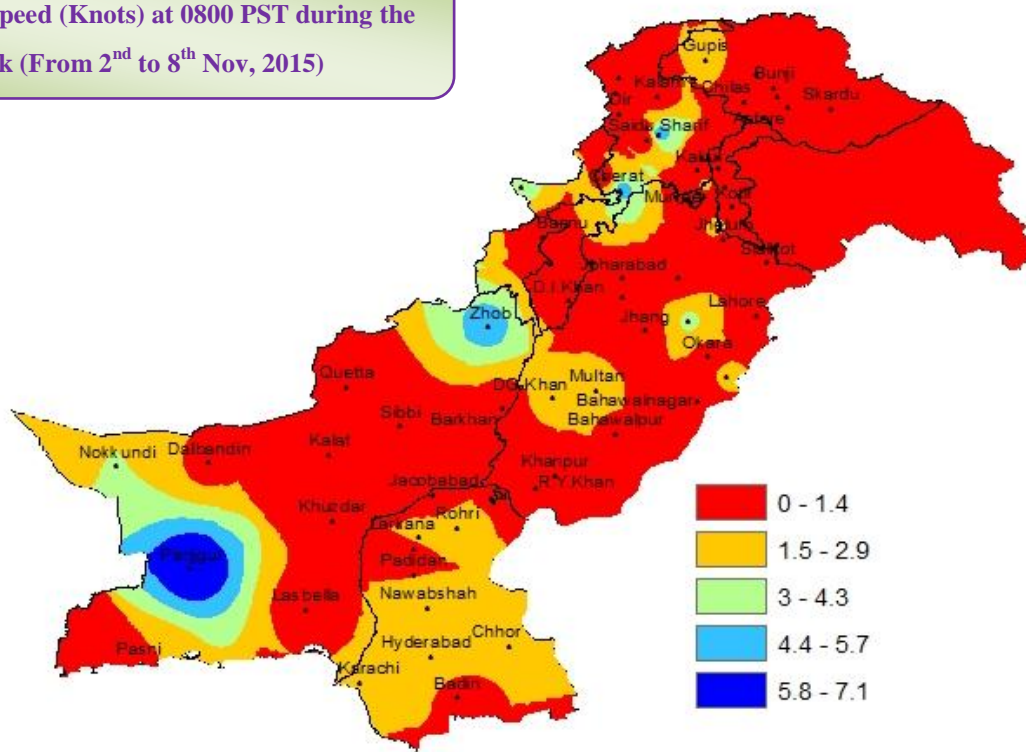
Total Growing Degree Days accumulated during the Previous Week (From 2nd to 8th Nov, 2015)



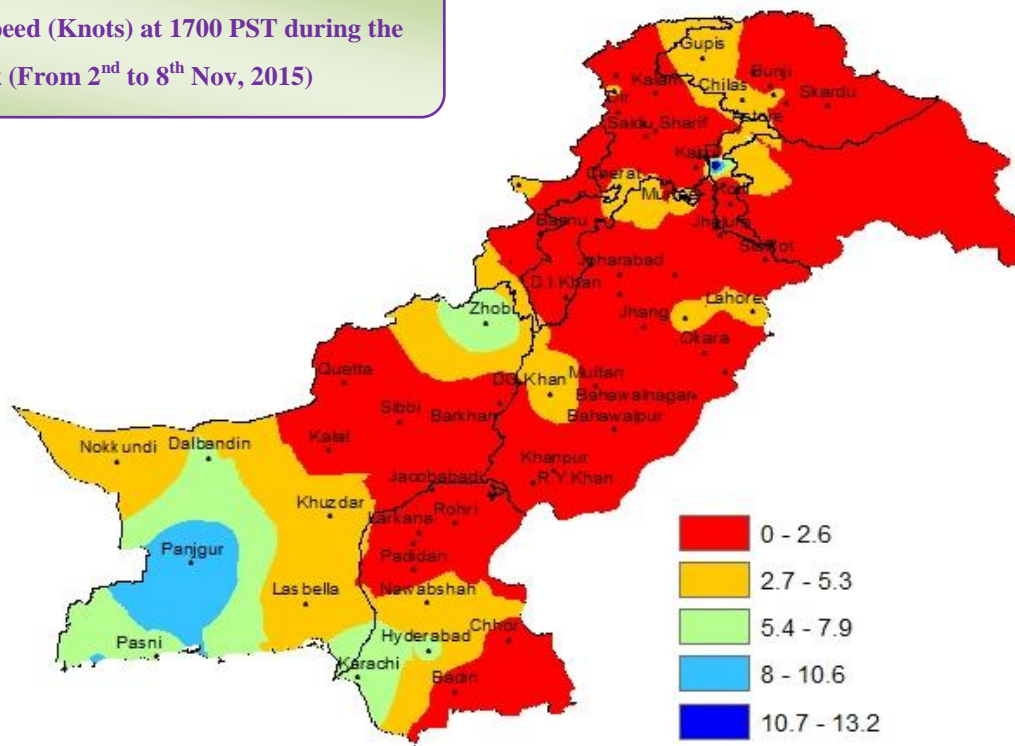
Mean Relative Humidity (%) during the Previous Week (From 2nd to 8th Nov, 2015)



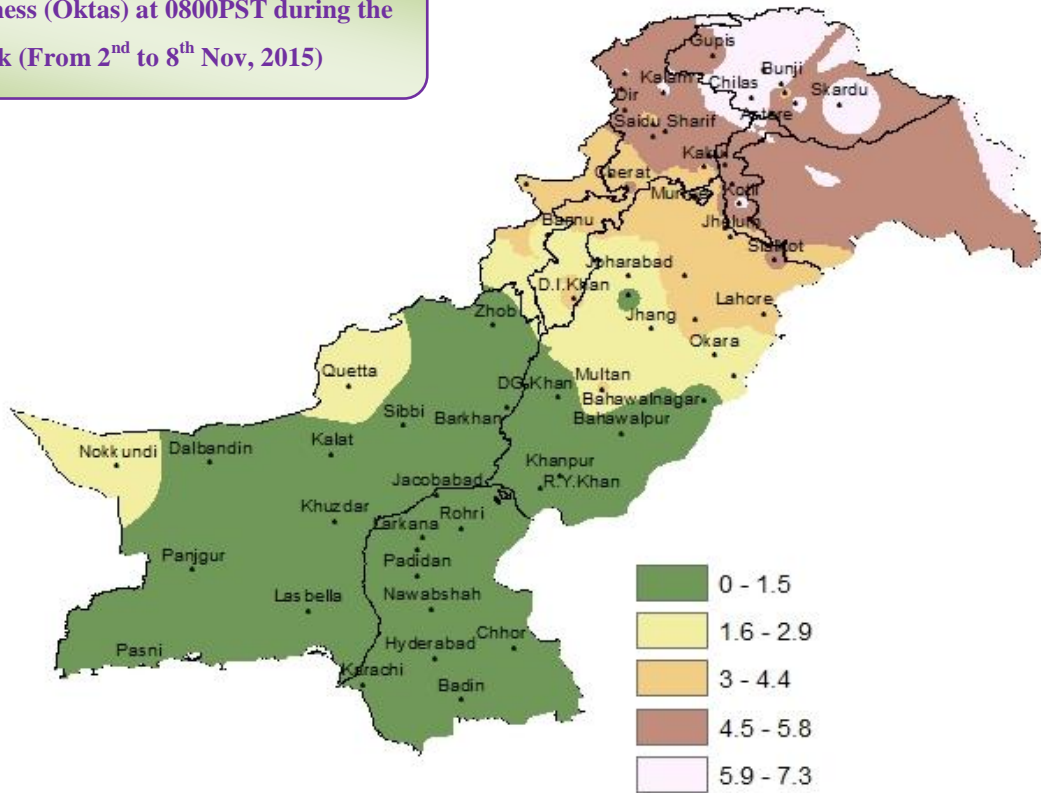
Mean Wind Speed (Knots) at 0800 PST during the Previous Week (From 2nd to 8th Nov, 2015)



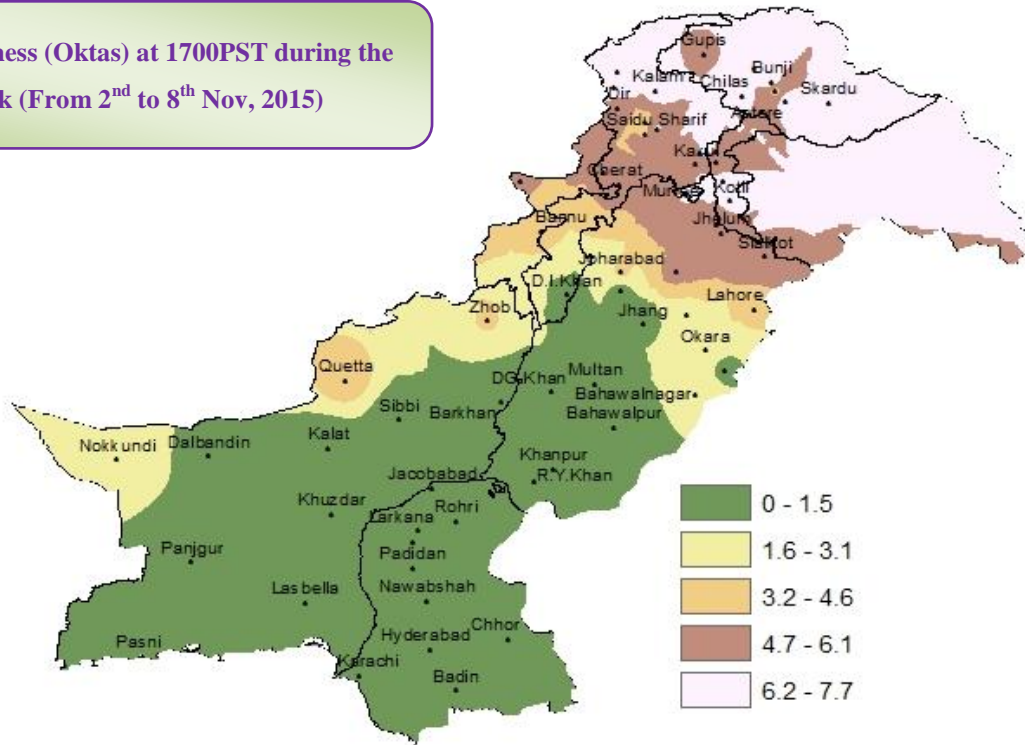
Mean Wind Speed (Knots) at 1700 PST during the Previous Week (From 2nd to 8th Nov, 2015)



Mean Cloudiness (Oktas) at 0800PST during the Previous Week (From 2nd to 8th Nov, 2015)



Mean Cloudiness (Oktas) at 1700PST during the Previous Week (From 2nd to 8th Nov, 2015)



Weekly Weather Advisory for Farmers
(From 9th to 14th November, 2015)

Continental air would prevail over most parts of the country. A fresh westerly wave is likely to approach Baluchistan on Monday (evening/night) and expected to grip upper & western parts of the country during mid of the coming week.

MONDAY

09-11-2015

Mainly dry weather is expected in most parts of the country. However, light rain-thunderstorm (snowfall over the hills) is expected at a few places of Malakand, Hazara, Mardan, Kohat, Peshawar, Zhob, Quetta, Rawalpindi, Sargodha divisions, Islamabad, Upper FATA (Bajour, Mohmand, Khyber & Kurram Agencies), Kashmir and Gilgit-Baltistan.

TUESDAY

10-11-2015

Rain-thunderstorm (with snowfall over the hills) is expected at few places in Malakand, Hazara, Peshawar, Kohat, Mardan, Quetta, Zhob, Rawalpindi divisions, Islamabad, Upper FATA, Gilgit-Baltistan and Kashmir. Dry weather elsewhere in the country.

WEDNESDAY

11-11-2015

Rain-thunderstorm with snowfall over the hills (isolated heavy falls over FATA & Upper KP) is expected at scattered places in KP, FATA, Upper Punjab (Rawalpindi, Gujranwala, Lahore, Sargodha, Faisalabad divisions), Islamabad, North Balochistan (Quetta, Zhob, Sibbi divisions), Gilgit-Baltistan and Kashmir.

THURSDAY

12-11-2015

Rain-thunderstorm with snowfall over the hills (isolated heavy falls over FATA & Upper KP) is expected at scattered places in KP, FATA, Upper Punjab (Rawalpindi, Gujranwala, Lahore, Sargodha, Faisalabad divisions), Islamabad, North Balochistan (Quetta, Zhob, Sibbi divisions), Gilgit-Baltistan and Kashmir.

FRIDAY

13-11-2015

Rain-thunderstorm with snowfall over the hills (isolated heavy falls over FATA & Upper KP) is expected at scattered places in KP, FATA, Upper Punjab (Rawalpindi, Gujranwala, Lahore, Sargodha, and Faisalabad divisions), Islamabad, North Balochistan (Quetta, Zhob, and Sibbi divisions), Gilgit-Baltistan and Kashmir.

SATURDAY

14-11-2015

Rain-thunderstorm with snowfall over the hills is likely at a few places in Malakand, Hazara divisions, upper FATA, Gilgit-Baltistan and Kashmir.

ADVISES FOR CROPS

- ❖ Farmers of rainfed areas obtaining water through tube wells and irrigated areas in upper parts are advised to schedule the irrigation according to the expected weather mentioned during the decade. Rainfall/ gusty winds after irrigation cause water logging of standing crops like maize, sugarcane and cotton. Farmers should be very careful in this regard.
- ❖ Farmers are advised to cultivate winter vegetables in time so that present soil moisture may fully be utilized.
- ❖ Farmers are advised to take in time precautionary measures to protect their crops, livestock and other property from any expected rain.
- ❖ Farmers of cotton crop areas are advised to prepare their field for incoming rabi crops and complete sowing in time.
- ❖ Farmers of rainfed areas are advised to sow their rabi crops during the period 15th October to 15th November. After this time yield of wheat crop decreases gradually. Farmers of irrigated areas of Punjab, Sindh and KPK are advised to complete sowing of wheat crop in the month of November. Late varieties may be cultivated in December.
- ❖ Farmers of rainfed areas of K.P & Punjab are advised to complete cultivation of Rabi crops as soon as possible. The status of soil moisture is very suitable after recent rains in these areas.

National Weather Data of Selected Cities
(Weekly Data from 2nd to 8th Nov, 2015)

Stations	Minimum/Night Temperature (°C)		Growing Deg. Days	Relative Humidity (%)	Rainfall (mm)	Cloudiness (Oktas) 0800PST	Cloudiness (Oktas) 1700PST	Wind Speed (Knots) 0800PST	Wind Speed (Knots) 1700PST
	Mean	Lowest							
Astore	0.6	-2.0	-1.1	68	22.8	6.1	7.0	0.4	2.0
Badin	19.5	17.0	148.0	59	0.0	0.0	0.0	1.1	1.0
Bahawalnagar	16.0	13.0	117.6	64	0.0	1.3	2.3	0.6	2.3
Bahawalpur	14.8	11.9	112.9	65	0.0	0.0	0.0	1.1	0.7
Balakot	9.4	6.1	64.4	77	58.2	5.7	6.3	1.4	0.8
Bannu	10.0	8.0	90.9	61	2.1	2.7	3.3	0.0	0.3
Barkhan	10.8	8.0	88.8	43	0.0	0.4	0.0	0.3	0.7
Bunji	7.8	5.6	48.7	58	0.2	7.1	7.2	1.0	0.7
Cherat	7.4	5.6	47.8	60	9.0	4.4	4.8	4.9	4.3
Chhor	15.7	11.4	112.1	55	0.0	1.1	0.8	1.4	2.3
Chilas	9.6	7.0	62.9	51	1.9	7.1	6.5	1.1	4.3
Chitral	6.1	3.3	46.2	69	36.4	5.9	7.0	0.9	1.7
D.I.Khan	12.9	10.5	105.6	68	1.1	3.0	1.2	0.0	0.7
Dalbandin	1.1	-3.0	59.4	38	0.0	0.6	1.2	0.9	5.3
DG.Khan	16.0	13.7	116.1	59	0.0	0.6	0.7	2.3	4.0
Dir	2.7	0.5	29.5	82	108.0	4.4	5.3	0.0	1.3
Drosh	6.1	4.6	45.9	60	32.4	5.0	7.2	0.0	3.0
Faisalabad	14.2	10.5	111.6	67	0.1	4.3	3.3	0.5	0.5
Garidopatta	8.2	6.8	58.5	79	57.6	5.0	5.2	0.9	13.7
Gawader	19.6	15.5	152.1	59	0.0	0.0	0.5	0.0	8.0
Gilgit	5.5	1.5	42.5	66	2.3	7.3	7.7	0.0	1.7

Gupis	2.7	1.0	17.8	57	9.0	5.6	5.8	2.0	5.0
Hyderabad	19.4	17.0	143.3	44	0.0	0.0	0.0	2.3	5.7
Islamabad	11.1	9.5	83.0	78	17.0	3.1	6.2	0.0	3.3
Jacobabad	16.1	12.5	127.4	69	0.0	0.4	0.3	0.3	0.0
Jhang	13.1	10.0	104.5	71	0.2	1.7	1.2	0.6	0.3
Jhelum	13.6	11.1	97.5	77	10.7	3.7	6.2	0.3	0.3
Jiwani	23.2	22.0	158.0	59	0.0	1.3	1.0	0.9	7.0
Joharabad	13.0	9.5	104.0	69	3.0	2.6	3.3	0.6	0.7
Kakul	7.6	4.5	53.8	77	30.2	4.1	5.2	0.0	0.3
Kalam	1.0	-1.5	7.9	78	58.0	5.9	6.8	0.0	0.3
Kalat	0.0	-4.0	25.6	35	0.0	0.9	0.0	0.3	2.0
Karachi	20.4	17.8	156.4	45	0.0	0.0	0.0	1.7	7.0
Khanpur	14.4	12.5	109.8	69	0.0	0.0	0.0	0.0	0.0
Khuzdar	11.4	10.0	94.0	33	0.0	0.9	0.0	0.3	4.3
Kotli	12.5	10.9	89.5	76	21.0	6.0	6.5	0.9	1.7
Lahore	15.5	13.6	112.2	64	0.1	3.3	3.5	0.3	3.0
Larkana	18.0	17.5	135.7	56	0.0	1.1	0.0	2.3	0.7
Lasbella	12.8	10.5	140.4	40	0.0	0.0	0.0	0.6	3.7
Lower Dir	9.7	6.5	75.3	70	42.0	4.1	4.0	0.9	1.3
M.B Din	14.1	12.0	100.9	80	9.7	4.0	5.2	0.3	0.7
Malam Jabba	3.8	1.0	13.5	68	69.0	5.0	6.3	6.0	2.7
Mangla	13.6	11.1	99.1	72	14.0	4.1	5.2	2.0	1.0
Mir Khani	7.4	5.0	56.5	67	35.0	3.4	3.8	0.0	4.0
Moinjodaro	16.3	14.0	135.0	56	0.0	0.0	0.0	0.6	2.3
Multan	15.8	13.5	121.7	60	0.0	3.0	0.8	1.7	2.3
Murree	6.5	3.0	34.4	70	88.4	4.1	6.3	1.7	1.3

Muzaffarabad	9.2	6.0	63.3	82	39.4	5.6	6.2	0.0	0.8
Nawabshah	16.4	14.5	137.0	56	0.0	0.0	0.0	2.6	4.3
Nokkundi	12.1	8.5	99.0	20	0.0	2.3	2.7	2.9	2.7
Noorpurthal	12.0	9.0	110.9	72	1.0	1.1	1.0	0.6	1.0
Okara	14.5	11.8	113.7	70	0.0	2.0	2.5	0.9	0.3
Padidan	16.4	14.5	136.9	59	0.0	0.0	0.0	1.4	1.3
Panjgur	10.3	7.5	95.8	32	0.0	0.6	0.0	7.1	10.0
Parachinar	0.0	-0.7	10.3	67	62.6	4.3	4.8	3.6	3.3
Pasni	19.8	16.5	148.3	53	0.0	0.0	0.3	1.4	7.7
Pattan	11.4	10.0	79.9	75	31.0	4.9	6.2	0.0	0.0
Peshawar	12.4	9.4	100.3	77	23.7	3.4	4.7	0.6	1.0
Quetta	6.6	1.2	54.2	35	5.0	2.1	3.3	1.5	3.3
R.Y.Khan	16.0	13.0	128.4	64	0.0	0.0	0.0	0.9	1.7
Rawalakot	4.5	1.0	34.6	70	44.7	4.6	6.5	0.6	0.3
Rohri	***	***	***	60	0.0	0.0	1.0	2.0	1.0
Rawalpindi	12.8	10.0	91.0	76	9.0	3.6	6.0	0.5	0.2
Sahiwal	14.0	12.5	115.6	65	0.0	1.7	1.2	1.7	0.7
Saidu Sharif	9.7	7.0	65.2	71	41.8	4.9	4.5	0.0	0.3
Sialkot	13.8	11.8	101.4	76	7.9	4.4	6.0	0.3	1.3
Sibbi	8.5	7.0	105.0	40	0.0	0.9	0.0	0.0	1.7
Skardu	2.8	-3.8	20.0	56	1.5	6.1	7.3	0.0	1.0
Tandojam	16.0	13.5	134.0	58	0.0	0.0	0.0	0.3	0.5
Usta.M	14.3	11.5	125.0	50	0.0	0.0	0.0	0.1	0.0
Zhob	8.1	1.0	65.8	44	6.0	0.9	3.2	4.9	7.0

*** Shows the data is not available.